

REMARKS

This application has been reviewed in light of the Office Action mailed on September 7, 2004. Claims 1-11 are pending in the application. Claim 1 is in independent form. By the present amendment, the abstract and Claim 1 have been amended. No new matter or issues are believed to be introduced by the amendments.

In the Office Action, the Examiner objected to the disclosure for not having headings. Applicants respectfully submit that the inclusion of headings in the disclosure is suggested by the MPEP and not required. Accordingly, withdrawal of the objection is respectfully requested.

Further, in the Office Action, the abstract was objected to. The abstract has been amended in a manner which is believed to obviate the objection. Accordingly, withdrawal of the objection is respectfully requested.

Claims 1, 3 and 5-11 were rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 6,222,494 issued to Erkocevic on April 24, 2001 ("Erkocevic"); and Claims 2 and 4 were rejected under 35 U.S.C. §103(a) as being unpatentable over Erkocevic as applied to claims above, and further in view of U.S. Patent No. 6,008,765 issued to Davidson et al. on December 28, 1999, of record ("Davidson et al."). Claim 1 has been amended to better define Applicants' invention and to overcome the cited rejections.

Claim 1 now recites:

An antenna arrangement for a wireless device, the device comprising at least one ground conductor and the antenna arrangement comprising at least one antenna, wherein the or each antenna has an electrical length of more than half a wavelength, the electrical length being selected so that the total current in each of the at least one ground conductors is substantially minimized, wherein the or each antenna is positioned in a vertical position with respect to one of the at least one ground conductor, and wherein said one of the at

least one ground conductor forms at least one ground plane surrounding said vertically positioned antenna. (Emphasis Added) Support for the amendments can be found throughout Applicants' specification and in the figures.

Erkocevic is directed to a phase delay line for collinear array antenna. The antenna is not vertically positioned with respect to a ground conductor. Accordingly, Erkocevic does not disclose or suggest a ground conductor surrounding an antenna, let alone, a vertically positioned antenna with respect to a ground conductor. This feature is also not disclosed or suggested by Davidson et al.

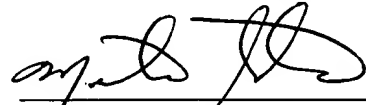
Hence, the prior art of record, and especially Erkocevic, does not disclose or suggest, inter alia, an antenna arrangement comprising at least one ground conductor and at least one antenna, wherein the or each antenna is positioned in a vertical position with respect to one of the at least one ground conductor, and wherein said one of the at least one ground conductor forms at least one ground plane surrounding said vertically positioned antenna, as recited by Applicants' amended, independent Claim 1. Accordingly, withdrawal of the rejection with respect to Claim 1 and allowance thereof are respectfully requested.

Claims 2-11 depend from Claim 1, and therefore include the limitations of Claim 1. Hence, for the same reasons given above for Claim 1, Claims 2-11 are believed to contain patentable subject matter. Accordingly, withdrawal of the rejections with respect to Claims 2-11 and allowance thereof are respectfully requested.

In view of the foregoing amendments and remarks, it is respectfully submitted that all claims presently pending in the application, namely, Claims 1-11, are believed to be in condition for allowance and patentably distinguishable over the art of record.

If the Examiner should have any questions concerning this communication or feels that an interview would be helpful, the Examiner is requested to call Dicran Halajian, Esq., Intellectual Property Counsel, Philips Electronics North America, at 914-333-9607.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Michael A. Scaturro', is written over a horizontal line.

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